

Sequence	1	2	3	4	5	6	7	8	9	10	.
Symbol											
INFORMATION ITEMS											
Definition of Concepts											
Semantic attributes											
Tense											
Voice											
Grammar attribute											
Part of speech											
Case(upper position)											

Figure 1

Sequence	1	2	3	4	5	6	7	8	9	10	
Symbol	I	saw	a	boy	with	a	telescope	near	the	bank	.
INFORMATION ITEMS											
Definition of Concepts	1.the person speaking 2. the 9th letter of the English alphabet	to use the eyes to look at; to understand or recognize	1.one 2.the first letter of English alphabet	A young male person	1. in the presence of 2.beside 3.among 4.including	1.one 2.the first letter of English alphabet	a tubelike scientific instrument, used for making distant objects look larger or closer	1.not far from in distance, time,	1.specific person or thing. 2.a group of 3.used for comparison	? : institution for keeping or lending money	
Semantic attributes	countable; single		male; countable; single	male; countable; single			countable; single			countable; single	
Tense		past tense									
Voice		active passive									
Grammar attribute	pronoun	noun; verb	article, indefinite	noun	preposition	article, indefinite	noun verb	Preposition. verb. adverb.	Article, adverb	noun; verb	
Part of speech	subject	predicate	modifier of the object	object	modifier of the predicate or modifier of the object?			complementary of the predicate			
Case(upper position)	agent	behavior or act		Object of the behavior			tool; behavior			place behavior	

Figure 2

		Unified code	English	Chinese	Russian	Japanese	---
Basic word		01	Laugh	笑			
Attached Synonym Code	A. Degree +	01-1-x	Burst into laughter	大笑			
	B. Degree -	01-2-x	Smile	微笑			
	C. Idiom	01-3-x		笑逐颜开			
	D. Written expression	01-4-x					
	E. Oral expression	01-5-x		笑哈哈			
	F. Slang	01-6-x					
	G. Common Saying	01-7-x					
	H. Commenda- tory	01-8-x					
	I. Derogatory	01-9-x	Snicker	傻笑			
	Other synonym	01-10-x	Grin	咧嘴笑			

Figure 3

I	saw	a	boy	with	a	telescope	near	the	bank	.
subject	predicate		Object	?modification of the predicate ?modification of the object			?modification of the predicate ?modification of the object			

Figure 4a

“I see a boy with a telescope 【 “modification of the subject” OR
“modification of the predicate” 】 near the bank.” 【 “institution for
keeping or lending money” OR “edge of a river or canal” OR “long
mound of earth/sand/snow” 】

Figure 4b

	Modifying area	Nuclear area	Supplementary area
Subject area		I	
Predicative area	? with a telescope	see	near the bank
Object area	? with a telescope	boy	
	Conjunction between Sentences		punctuation

Figure 5

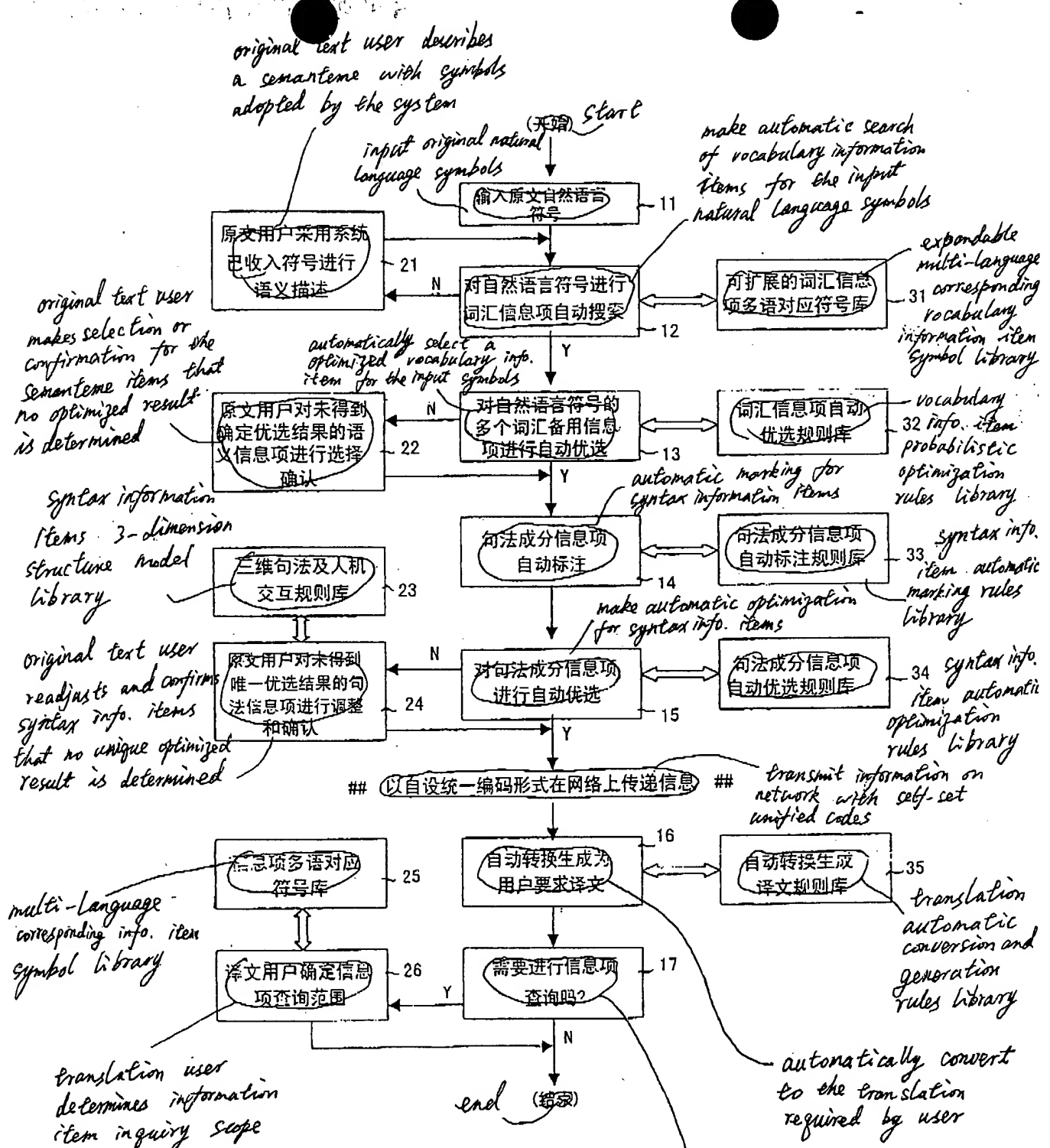


Figure 6

符号	在	银行	附近	我	看见		男孩	带	望远镜	的	
	信息项										
词汇 信息								携带 ? 附带			
句法 信息	修饰主词			主词	谓词		宾词	修饰宾词			

Figure 7